

PATENT SPECIFICATION

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(54) CARTON MADE OF CARDBOARD OR LIKE FOLDABLE MATERIAL

(71) We, DRG (UK) LIMITED, formerly known as DRG PACKAGING LIMITED, a British company, of 1, Redcliffe Street, Bristol, BS99 7QY, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

10 This invention relates to cartons made of cardboard or like foldable material and is an improvement in or modification of our Patent 1408421.

In Patent Specification 1408421 there is described and claimed a carton made from a blank of cardboard or like material, said carton comprising side wall panels joined one to the next to form a tube, some of said panels terminating at one end at least, in hinged turn-in flaps to form a closure covering an opening in the carton, that flap at said one end which is turned in last and forms the outermost flap, extending from its hinge completely across said opening, said outermost flap being formed with a central waist portion and those areas of the outermost flap which extend from the said hinge and from the edge of the flap opposite the said hinge to the waist portion being tapered inwards to said waist portion so that part of the flaps turned in next beneath are exposed to view, said outermost flap bearing a representation of a strip of sealing material extending from the said hinge to the opposite edge of the flap through the waist portion, the said representation being extended into the side wall panel to which the flap is hinged and into the opposite side wall panel, whereby a package closed with a strip of sealing material is simulated.

In the form of the invention illustrated in specification 1408421 those areas of the outermost flap which taper inwards to-

wards the waist portion are formed by cutting the opposite side edges of the flap to form the taper. According to this invention instead of cutting the side edges of the flap to form the taper, the flap is extended outwards and the taper is formed by folding the flap about tapered crease lines in the flap.

According to this invention therefore we provide a carton made from a blank of cardboard or like foldable material, said carton comprising side wall panels joined one to the next to form a tube, some of said panels terminating at one end at least, in hinged turn-in flaps to form a closure covering an opening in the carton, that flap at said one end which is turned in last, and forms the outermost flap, extending from its hinge completely across said opening, said outermost flap being cut and creased to provide a central waist portion and diagonal crease lines extending from the waist portion to the said hinge and to the edge of the flap opposite the said hinge, those areas of the outermost flap external to the crease lines being foldable about said crease lines inwards underneath the rest of the flap so that part of the flaps turned in next beneath are exposed to view.

Two forms of carton are illustrated in the accompanying drawing, wherein:—

Fig. 1 is a blank of a carton, and

Fig. 2 is a blank of a modified form of carton.

Referring to the drawing and first to Fig. 1, the blank comprises four side wall panels 2, 4, 6 and 8, panel 2 having a glue flap 10 which is secured to the edge portion of the panel 8 to form a tubular carton. The panels 4 and 8 have top forming flaps 12, 14, and bottom forming flaps 16 and 18 respectively. The panel 6 has a top forming flap 20, formed with four diagonal crease lines 21 extending 90

from the corners of the flap to a central waist portion 24, the opposite sides of which are cut in the shape of part of a circle. The flap 20 also has a pair of cuts 23 extending from the two opposite side edges to the central waist portion 24, whereby tabs 25 and 27 are formed which are free to be turned in about the crease lines 21 when the carton is closed. The outer edge of the flap 20 is provided with a tuck-in flap 26. The panel 2 has a bottom forming flap 28 with a tuck-in flap 34.

When closing the top of the carton, the flaps 12 and 14 are folded in first. The tabs 25 and 27 are then folded inwards and the flap 20 folded over the flaps 12 and 14. In this position the tabs 25 and 27 have the effect of spacing the top flap 20 slightly from the flaps 12 and 14 giving a realistic effect of wrapping.

In Fig. 2 the carton is the same as shown in Fig. 1 except that the top forming flap 20 is hinged to the flaps 12 and 14 as indicated at 40. This causes the tabs 25 to turn in automatically when the flaps 12 and 14 are folded in.

The outermost flap 20 bears a representation of a strip of sealing material as described in specification 1408421, said representation being extended into the wall panels 2 and 6. In addition (or instead) a representation of a circular seal is provided in the centre of the panel 20.

WHAT WE CLAIM IS:—

1. A carton made from a blank of card-

board or like foldable material, said carton comprising side wall panels joined one to the next to form a tube, some of said panels terminating at one end at least, in hinged turn-in flaps to form a closure covering an opening in the carton, that flap at said one end which is turned in last, and forms the outermost flap, extending from its hinge completely across said opening, said outermost flap being cut and creased to provide a central waist portion and diagonal crease lines extending from the waist portion to the said hinge and to the edge of the flap opposite the said hinge, those areas of the outermost flap external to the crease lines being foldable about said crease lines inwards underneath the rest of the flap so that part of the flaps turned in next beneath are exposed to view.

2. A carton according to claim 1, wherein the opposite edges of the waist portion are arcuate.

3. A carton according to claim 1 or 2 wherein the areas of the outermost flap turned in about the crease lines extending from the said hinge of the outermost flap are hinged one to each of the flaps turned in next beneath.

4. A carton substantially as described with reference to Fig. 1 or Fig. 2 of the accompanying drawings.

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COMPLETE SPECIFICATION

1 SHEET

*This drawing is a reproduction of
the Original on a reduced scale*

